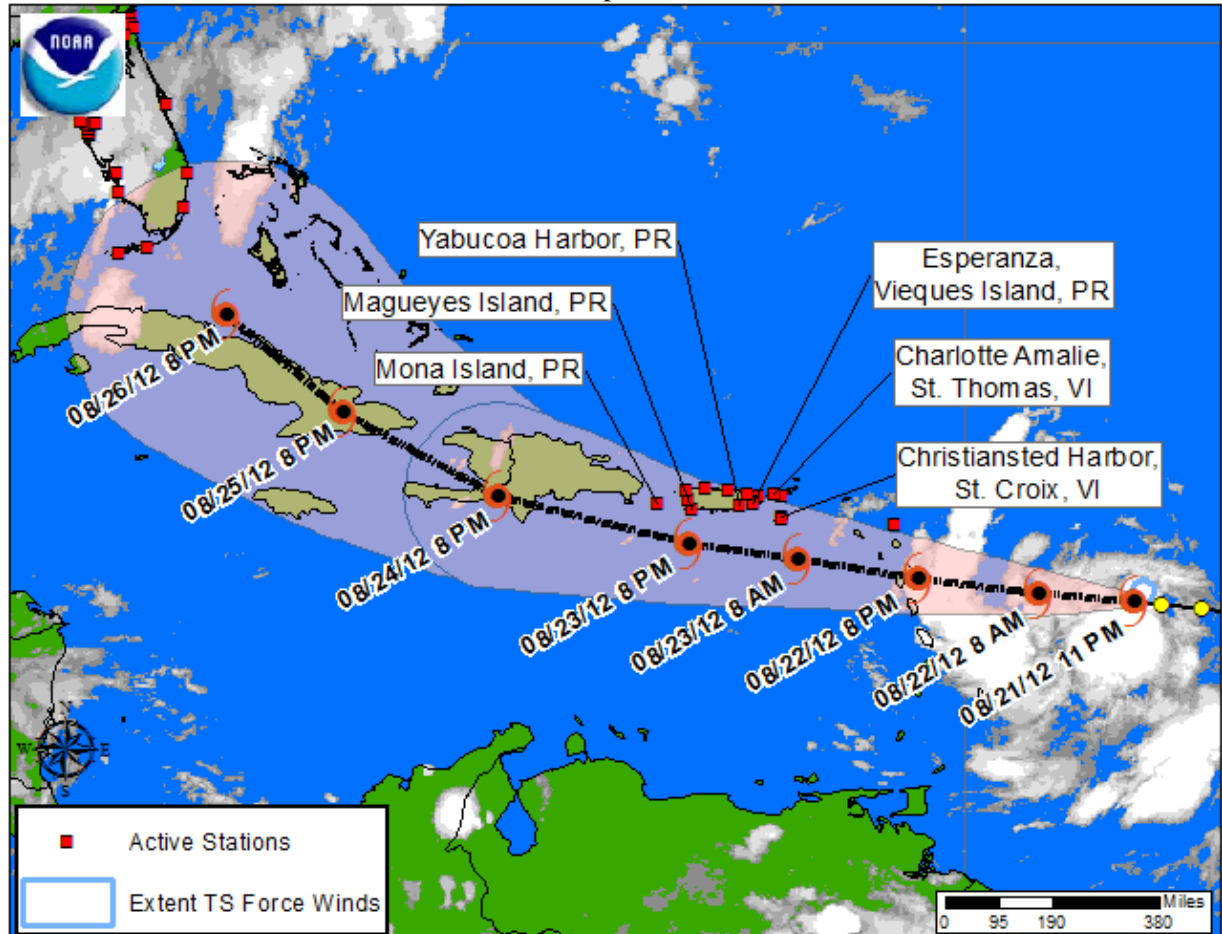




Tropical Storm ISAAC QuickLook
Posted: 00:00 AST 08/22/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/22/2012 00:00 AST, water levels from Puerto Rico to the U.S. Virgin Islands are slightly elevated and range between 0.4 to 0.7 ft above predicted. Winds are light, with gusts up to 10 knots. Barometric pressure is steady across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.6 ft (0.18 m) at 08/22/2012 12:04 AST and 0.5 ft (0.16 m) at 08/22/2012 21:11 AST.

Charlotte Amalie, VI: Next predicted high tides are 0.9 ft (0.26 m) at 08/22/2012 13:31 AST and 0.9 ft (0.28 m) at 08/23/2012 14:57 AST.

Tropical Storm ISAAC QuickLook, POSTED 00:00 AST 08/22/2012

Esperanza, Vieques Island, PR: Next predicted high tides are 0.6 ft (0.17 m) at 08/22/2012 12:02 AST and 0.5 ft (0.17 m) at 08/22/2012 20:40 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.6 ft (0.17 m) at 08/22/2012 16:04 AST and 0.6 ft (0.20 m) at 08/23/2012 16:48 AST.

Magueyes Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 08/22/2012 18:07 AST and 0.8 ft (0.25 m) at 08/23/2012 18:14 AST.

Mona Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 08/22/2012 17:53 AST and 0.8 ft (0.26 m) at 08/23/2012 18:36 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 4
1100 PM AST TUE AUG 21 2012

...ISAAC CONTINUES WESTWARD TOWARD THE LEEWARD ISLANDS...TROPICAL STORM
WARNINGS ISSUED FOR PUERTO RICO AND THE VIRGIN ISLANDS...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH FOR PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S.
VIRGIN ISLANDS HAS BEEN CHANGED TO A TROPICAL STORM WARNING.

A HURRICANE WATCH HAS BEEN ISSUED FOR PUERTO RICO...VIEQUES...CULEBRA...AND THE
U.S. VIRGIN ISLANDS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS

A HURRICANE WATCH IS IN EFFECT FOR...

* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE
WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST
OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE
PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM AST THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 390 MI E OF GUADELOUPE. ISAAC IS MOVING TOWARD THE WEST NEAR 18 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD MOVE THROUGH THE LEEWARD ISLANDS WEDNESDAY EVENING AND MOVE OVER THE NORTHEASTERN CARIBBEAN SEA ON THURSDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS AND ISAAC COULD BECOME A HURRICANE BY THURSDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 45 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED OVER PUERTO RICO AND THE U.S. VIRGIN ISLANDS ON THURSDAY. HURRICANE CONDITIONS ARE POSSIBLE OVER PUERTO RICO AND THE U.S. VIRGIN ISLANDS ON THURSDAY.

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 1 TO 3 INCHES WITH MAXIMUM AMOUNTS OF 6 INCHES ARE POSSIBLE OVER PUERTO RICO AND THE VIRGIN ISLANDS.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN PUERTO RICO AND THE U.S. VIRGIN ISLANDS. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

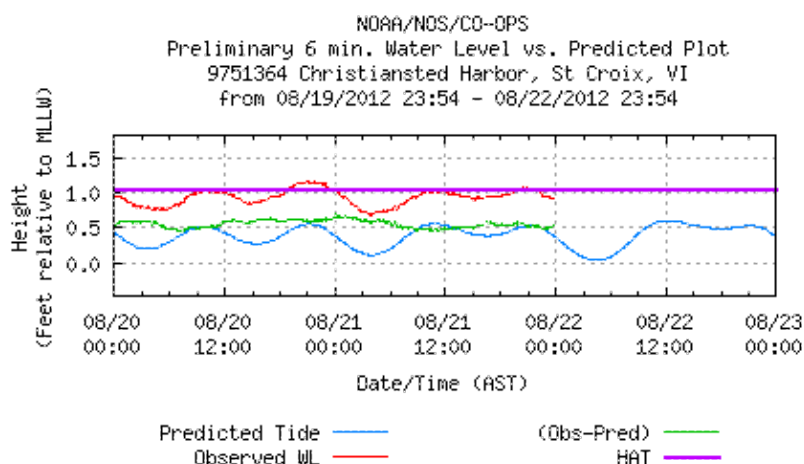
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE WINDWARD AND LEEWARD ISLANDS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Magueyes Island - Barometric](#), [Mona Island - Water Level](#),

Christiansted Harbor, St Croix, VI - Return to List

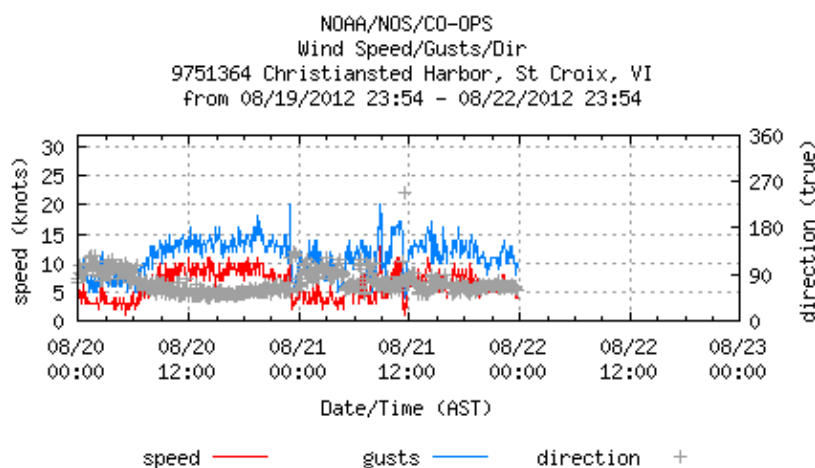


Last Observed Sample: 08/21/2012 23:42 (AST)

Relative to MLLW: **Observed: 0.92 ft.** **Predicted: 0.39 ft.** **Residual: 0.53 ft.**

Historical Maximum Water Level: Oct 16 2008, 1.17 ft. above MHHW

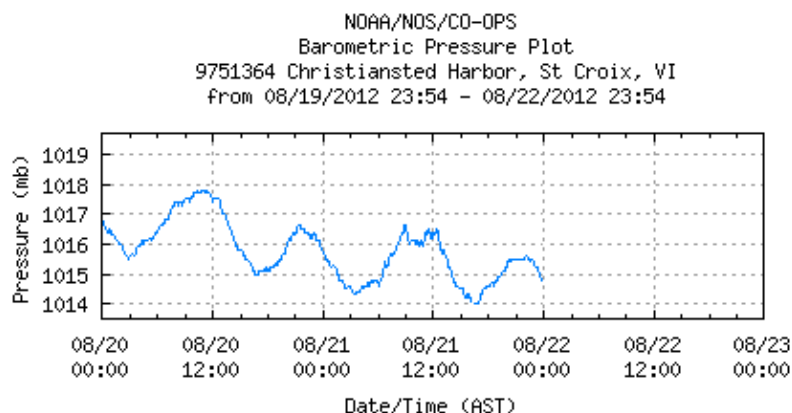
Christiansted Harbor, St Croix, VI - Return to List



Last Observed Sample: 08/21/2012 23:42 (AST)

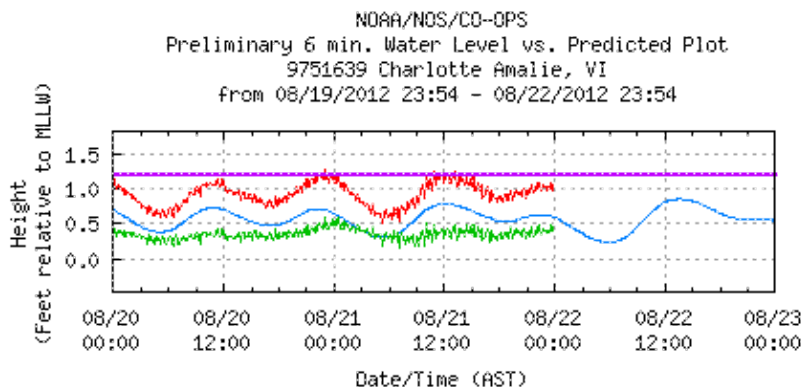
Wind Speed: 4 knots **Gusts: 10 knots** **Direction: 60° T**

Christiansted Harbor, St Croix, VI - Return to List



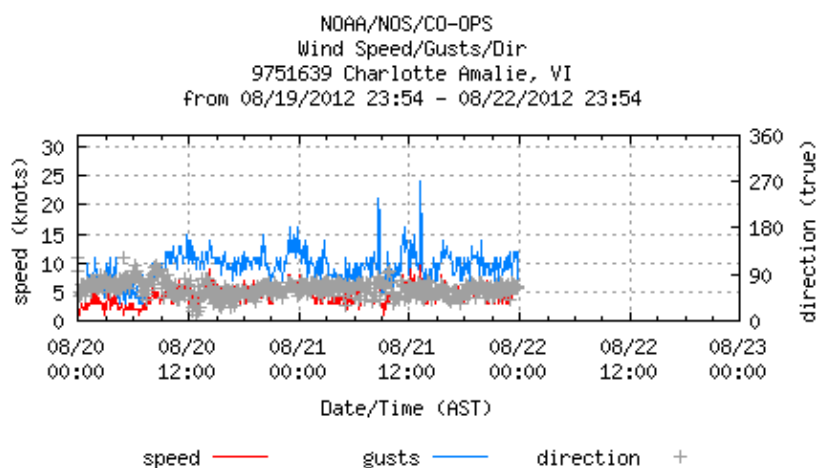
barometric pressure —
Last Observed Sample: 08/21/2012 23:42 (AST)
Barometric Pressure: 1014.8 mb

Charlotte Amalie, VI - Return to List



Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/21/2012 23:48 (AST)
Relative to MLLW: Observed: 0.99 ft. Predicted: 0.60 ft. Residual: 0.39 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW

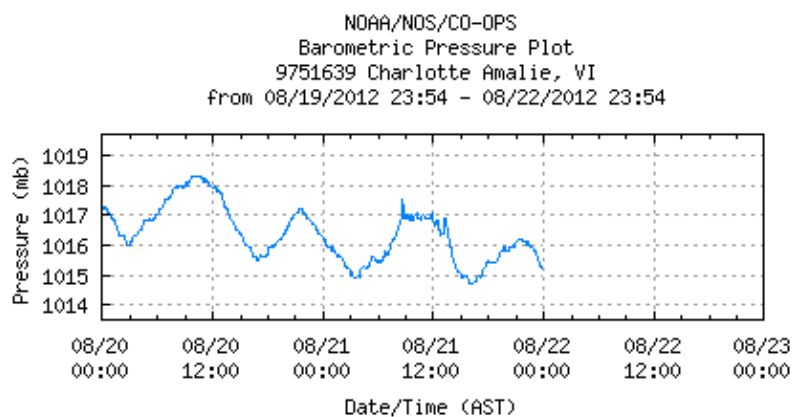
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/21/2012 23:48 (AST)

Wind Speed: 5 knots Gusts: 7 knots Direction: 63° T

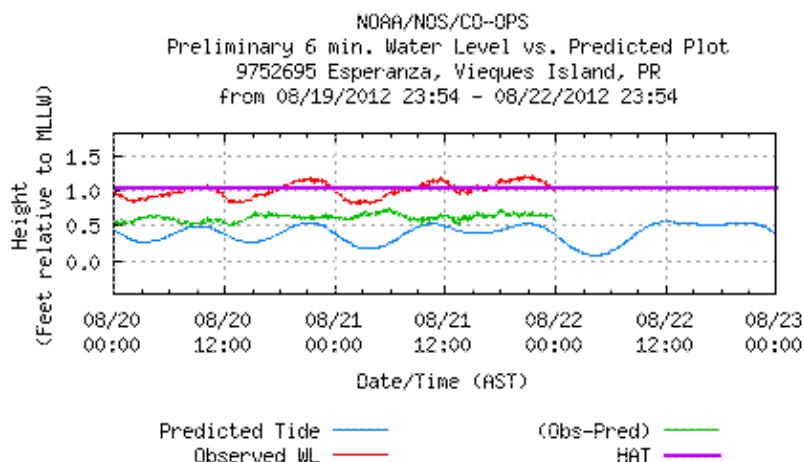
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/21/2012 23:48 (AST)

Barometric Pressure: 1015.2 mb

Esperanza, Vieques Island, PR - Return to List

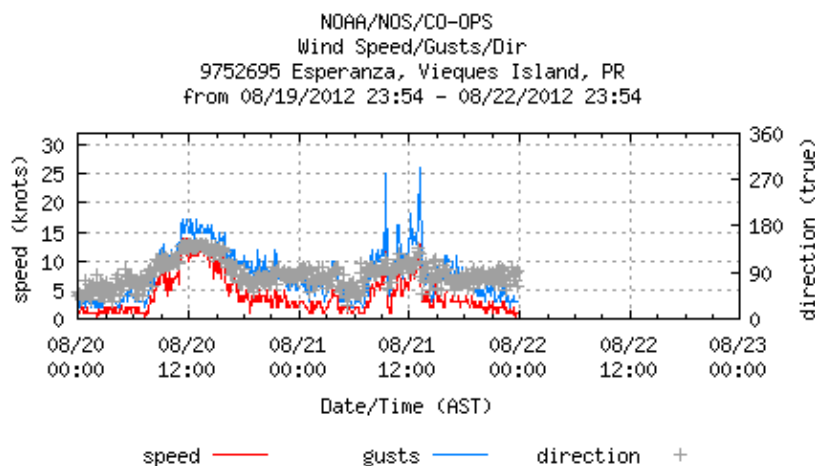


Last Observed Sample: 08/21/2012 23:48 (AST)

Relative to MLLW: **Observed: 1.01 ft.** **Predicted: 0.39 ft.** **Residual: 0.62 ft.**

Historical Maximum Water Level: Aug 22 2011, 1.04 ft. above MHHW

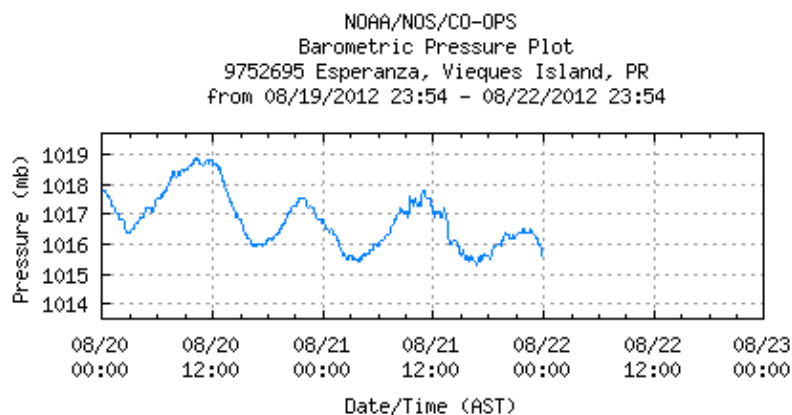
Esperanza, Vieques Island, PR - Return to List



Last Observed Sample: 08/21/2012 23:48 (AST)

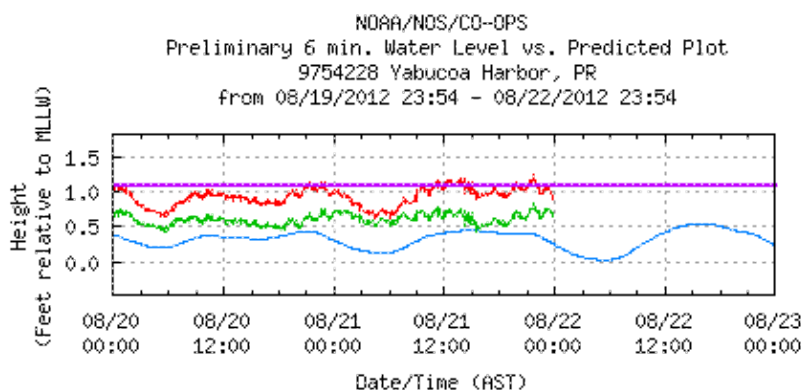
Wind Speed: 1 knots **Gusts: 3 knots** **Direction: 63° T**

Esperanza, Vieques Island, PR - Return to List



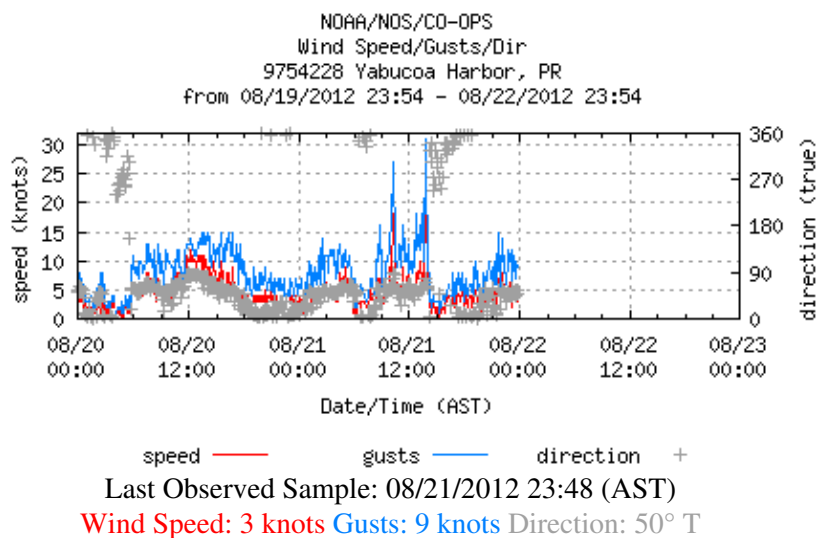
barometric pressure —
Last Observed Sample: 08/21/2012 23:48 (AST)
Barometric Pressure: 1015.6 mb

Yabucoa Harbor, PR - Return to List

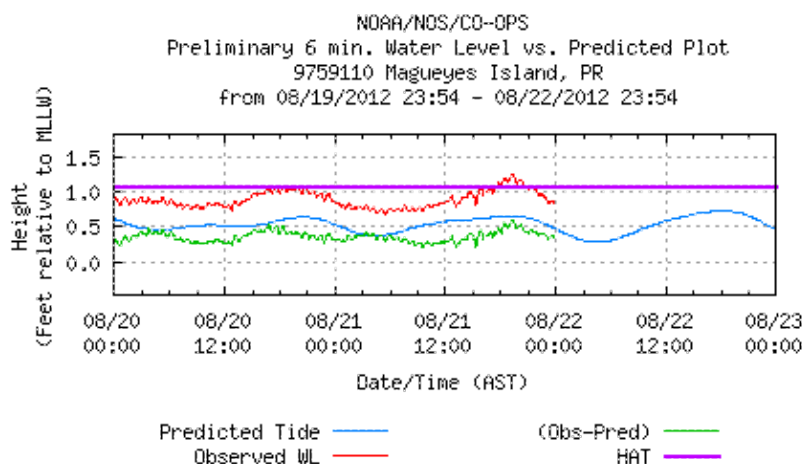


Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/21/2012 23:48 (AST)
Relative to MLLW: Observed: 0.90 ft. Predicted: 0.25 ft. Residual: 0.65 ft.
Historical Maximum Water Level: , 0 ft. above MHHW

Yabucoa Harbor, PR - Return to List

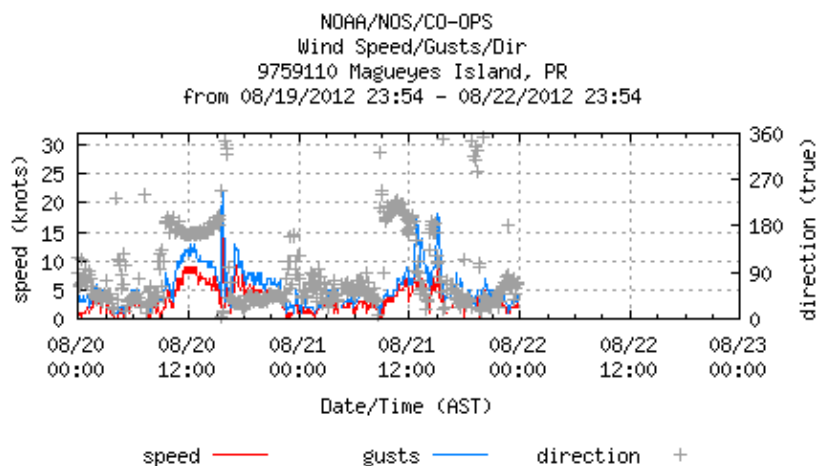


Magueyes Island, PR - Return to List



Last Observed Sample: 08/21/2012 23:48 (AST)
Relative to MLLW: Observed: 0.86 ft. Predicted: 0.48 ft. Residual: 0.38 ft.
Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

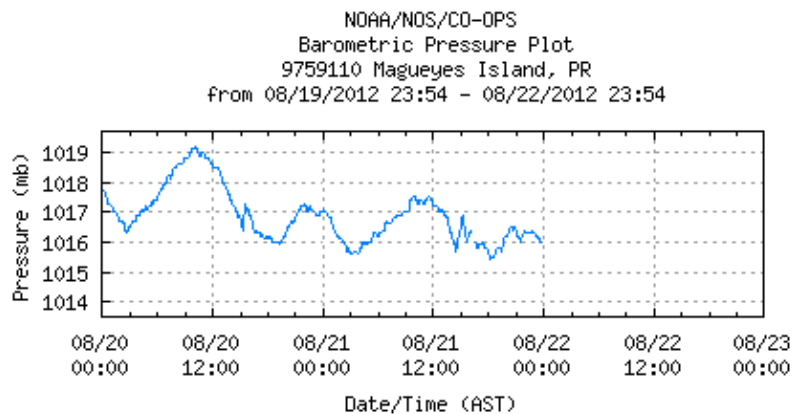
Magueyes Island, PR - Return to List



Last Observed Sample: 08/21/2012 23:48 (AST)

Wind Speed: 3 knots Gusts: 4 knots Direction: 65° T

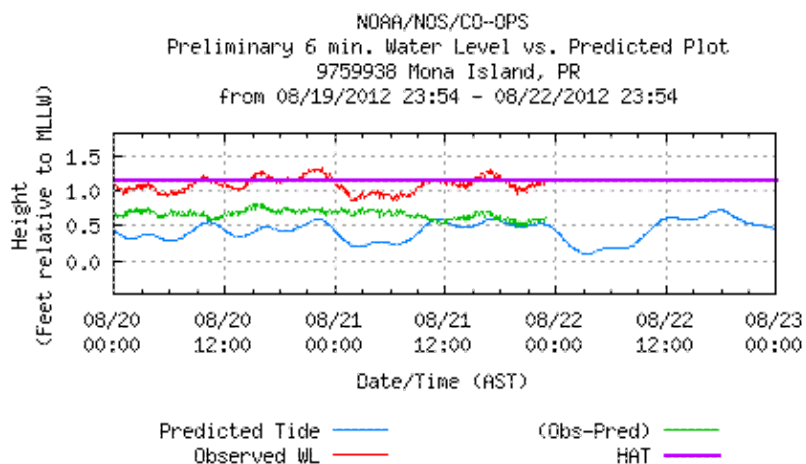
Magueyes Island, PR - Return to List



Last Observed Sample: 08/21/2012 23:48 (AST)

Barometric Pressure: 1016.0 mb

[Mona Island, PR - Return to List](#)



Last Observed Sample: 08/21/2012 22:54 (AST)

Relative to MLLW: **Observed: 1.13 ft.** **Predicted: 0.52 ft.** **Residual: 0.61 ft.**

Historical Maximum Water Level: Dec 23 2010, 1.26 ft. above MHHW

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce